| Index | of C | laims |  |
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| Application No. | Applicant(s)    |  |
|-----------------|-----------------|--|
| 10/002,421      | KARMAKER ET AL. |  |
| Examiner        | Art Unit        |  |
| Peter Szekely   | 1714            |  |

| -<br>/ | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | Α | Appeal   |
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| =      | Allowed  | ÷ | Restricted                     | 1 | Interference | 0 | Objected |

| Cla          | Claim Date |              |                 |                | Cla            | aim_   | _             |        | _[    | Date   |          |                     |          |                | c             | laim_    |              |          | _ [         | )ate   | <u> </u>   |        |                |          |          |          |               |          |          |
|--------------|------------|--------------|-----------------|----------------|----------------|--|---------------|--------|-------|--|----------|---------------------|----------|----------------|---------------|----------|--------------|----------|-------------|--|------------|--------|----------------|----------|----------|----------|---------------|----------|----------|
| Final        | Original   | 11/19/03     |                 |                |                |  |               |        |       | Final  | Original |                     |          |                |               |          |              |          |             | Final  | Original   |        |                |          |          |          |               |          |          |
|              | 1          | N            |                 |                |                |  |               |        | ]     |  | 51       |                     |          |                |               |          |              |          |             |  | 101        |        |                |          |          |          |               | $\Box$   |          |
|              | 2          | N            |                 | Ţ              |                |  |               |        | ]: 1  |  | 52       |                     |          |                |               |          |              |          |             |  | 102        |        | <u> </u>       |          |          |          |               | _        | _        |
|              | 3          | N            |                 | Ĺ              | i              |  |               |        | ]     |  | 53       |                     |          |                |               |          | _            |          | ŀ. i        |  | 103        |        |                |          |          |          |               |          |          |
| <u></u>      | 4          | N            |                 | ↓_             | 丄              |  |               |        |       |  | 54       |                     |          | 1_             |               |          |              | - -      |             |  | 104        |        | <u> </u>       | Щ        | _        | _        | 4             | _        | _        |
| <u></u>      | 5          | N            |                 | 1              | 1_             |  |               |        |       |  | 55       |                     |          | 4-             |               | }        |              |          | <b>)</b>    | <u> </u>   | 105        |        | 1_'            |          |          |          |               | _}       | 4        |
|              | 6          | N            | _   _           | ↓_             | ↓              |  | _             |        |       |  | 56       | 1                   | _ _      | 1              | _             | -        |              | -        |             | ļ  | 106        |        |                | Щ        |          |          | -             |          | 4        |
| ļ            | 7          | V            |                 | ↓_             | <u> </u>       |  |               |        |       |  | 57       | $\vdash$            | <u> </u> | $\vdash$       | _             | -+       | <del>-</del> | +        | ļ:          |  | 107        | -      | <del>  -</del> | -        | _        | {        | $\dashv$      | -        | $\dashv$ |
|              | 8          | V.           |                 | ┼              | <b>⊹</b>       | <b>├</b>   |               |        | ļ     | <u> </u>   | 58       | $\vdash$            | +        | +              | -             | -+       | +            |          | 1           |  | 108<br>109 |        | +              | 1        |          |          |               | -+       | ᅴ        |
| ├            | 9          | V            |                 | <b>∤</b> —     | -              |  |               |        |       |  | 59<br>60 | $\vdash$            | +        | <del> </del> - | -             | -+       | <del></del>  | ╁        | 1           |  | 1109       |        | +              | $\vdash$ | $\dashv$ |          | +             | -+       | $\dashv$ |
|              | 11         | V            |                 | +-             | +              |  |               | -      |       | -  | 61       | -                   |          | ┼-'            | -             | -+       |              | ╀        | }           | <b>-</b>   | 111        | -      | 1 '            | $\vdash$ |          |          | -             |          | $\dashv$ |
| ├            | 12         | V            |                 | ╀┈             | ╁              | $\vdash$   |               | +-     |       | <u> </u>   | 62       | $\vdash$            | +        | +              |               | -+       | +            |          | 1           |  | 112        |        | +              |          |          |          | -+            | $\dashv$ | $\dashv$ |
| ├─           | 13         | V            | $\vdash \vdash$ | +-             | -              | $\vdash \dashv$                                  |               | +      |       | <del>                                     </del> | 63       | $\vdash$            | $\vdash$ | +-1            |               | -+       |              | +        | ţ           | <del>                                     </del> | 113        | +      | $\dagger \neg$ |          |          |          | $\dashv$      | -+       | ⊣        |
|              | 14         | V            | +-              | +-             | $\vdash$       | $\vdash$   | -             |        | 1     |  | 64       | +                   | +        | -              | H             | -+       | +            | +        | † : : :     | <del></del>                                      | 114        |        | +              |          | $\dashv$ | -        | $\neg +$      | -+       | $\dashv$ |
| $\vdash$     | 15         | v            |                 | +              | -              | $\vdash$   |               | +      |       | <del></del>                                      | 65       | $\vdash$            |          | +-:            |               | -+       |              | +        | 1           |  | 115        | -      | 1              | Н        |          |          | 一             | 十        | $\dashv$ |
| <u> </u>     | 16         | Ť            | -               | 1-             | $\top$         |  | $\dashv$      |        | 1:- ' | <u> </u>   | 66       |                     | $\dashv$ | 1-             |               | _        | $\dashv$     | -        | 1           | T  | 116        |        | T              |          | $\dashv$ |          | +             | _†       | $\dashv$ |
|              | 17         | v            | -               | +              | +              |  | -             | _      |       |  | 67       |                     |          | <del> </del>   |               | _†       | _   -        | $\top$   | 1           |  | 117        | $\top$ | 1              |          |          |          | $\neg$        | $\neg$   | ヿ        |
| ļ —          | 18         |              | $\neg \neg$     | 1              |                |  |               |        |       |  | 68       |                     | 丁        |                |               | 7        |              | _        | 1           |  | 118        |        |                |          |          |          |               | ╗        | $\neg$   |
|              | 19         |              |                 | +-             | 1              |  |               | _      |       |  | 69       |                     | $\neg$   |                |               |          | $\top$       |          | [:::        | $\overline{}$                                    | 119        |        |                |          |          |          |               | _        |          |
|              | 20         |              |                 | Τ              | T              |  |               |        | 1     |  | 70       |                     | _ -      |                |               | TŢ       |              |          |             |  | 120        |        |                |          |          |          |               |          |          |
|              | 21         |              |                 |                | 1              |  |               | 7      | 1     |  | 71       |                     |          |                |               |          | <u> </u>     |          | ]           |  | 121        |        |                |          | 1        |          |               |          |          |
|              | 22         |              |                 |                |                |  |               |        | ]     |  | 72       |                     |          | Ι.             |               |          |              |          |             |  | 122        |        |                |          | $\Box$   |          |               |          | _        |
|              | 23         |              |                 | L.             |                |  |               | $\Box$ |       |  | 73       |                     |          |                |               |          |              | <u> </u> |             |  | 123        |        | Ш              |          |          | _        | _             | _        | _        |
|              | 24         |              |                 | ↓_             | <u> </u>       | $\sqcup \downarrow$                              | _  _          |        |       | ļ  | 74       | _                   | _        | ┷-             |               | _        |              | $\bot$   |             | L  | 124        |        | <del> </del>   | _        | _        |          | _             |          | _        |
| <u></u>      | 25         | L            | 4               | <u> </u>       | _              | L.   | _             |        |       |  | 75       |                     | _        | ļ.,            |               | _        | $\perp$      | _        |             |  | 125        |        | 1              |          | _        |          | _             | _        | _        |
|              | 26         |              | -               | 1              | ↓_             | 11   | $\rightarrow$ |        | }     |  | 76       | -                   |          | <del> </del>   |               |          | -            | - -      | }           |  | 126        |        | 4              |          |          |          | $\rightarrow$ | -        | -4       |
|              | 27         | <u> </u>     |                 | <del>-</del> - | ┼              |  | -             | 4      |       |  | 77       | -                   |          | —              |               | _        |              | —        | 1           | ļ. —   | 127        | -      | +-             |          |          |          |               | -+       | 4        |
| <u> </u>     | 28         | <u> </u>     | -               | +              | <del>  -</del> | -  | _+            | ┥—     | [     |  | 78       |                     | +        | 4              | $\rightarrow$ |          | $\dashv$     |          |             | <u> </u>   | 128        |        | +-             |          | $\dashv$ |          |               | $\dashv$ | $\dashv$ |
|              | 29         | <u> </u>     |                 | <b>├</b>       | _              | $\vdash$   | -             |        |       |  | 79       | H                   |          | ╄-             | $\vdash$      | $\dashv$ |              |          | 1           |  | 129<br>130 |        | +              | $\vdash$ |          | -        | -+            | $\dashv$ |          |
| <u> </u>     | 30<br>31   | <u> </u>     | +               | -              | +              |  | +             |        |       | ļ  | 80<br>81 | -                   |          | -              |               |          |              |          | -           |  | 131        | -+-    |                |          |          |          | $\rightarrow$ | $\dashv$ | {        |
| }            | 32         | -            |                 | ╁╌             | ╄              | 1  |               | +      |       |  | 82       | -                   | -        | +-             |               | +        |              | +        |             | ├  | 132        |        | <u> </u>       |          | -+       | $\dashv$ |               |          | $\dashv$ |
| <u> </u>     | 33         | -            | -               | +              |                | -  | -             |        | 1     |  | 83       | $\vdash$            |          | +-             |               | +        | +            | +-       | 1           |  | 133        | +-     | +              | -        | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ |
| <u> </u>     | 34         | -            |                 | ╁╌             | +-             | <del>                                     </del> |               | +      | {     | <del> </del>                                     | 84       | $\dashv$            | +        | +-i            |               | ┰        |              | +-       | t::::       | <del> </del>                                     | 134        | _      | <del>  </del>  |          | {        | 一        | $\dashv$      | -†       | ⊣        |
| <u> </u>     | 35         | <del> </del> | -               | +-             |                |  | -             |        |       | <del>                                     </del> | 85       | $\vdash$            |          | +              |               | +        |              | +        | 100         |  | 135        |        | $\dagger$      |          | -        | -        | $\dashv$      | 十        | ᅱ        |
| <del> </del> | 36         |              |                 | +              | $^{+}$         | -  |               | +      |       |  | 86       | $\vdash$            | +        | 1              | $\dashv$      | 7        | $\dashv$     | +        | 1.          | $\vdash$   | 136        | -  -   |                |          |          |          | _             | _        | $\neg$   |
|              | 37         |              | $\vdash$        | 1              | 1              | 1 1  | <u> </u>      | +      | 1     |  | 87       | $\sqcap$            |          | 1              |               | $\dashv$ | -            | $\top$   |             | _  | 137        |        | Т              |          | -1       |          | $\dashv$      | 7        | 7        |
| $\vdash$     | 38         | Г            |                 | $\top$         | 1              | $\vdash$   |               | $\top$ | 1     |  | 88       |                     | $\neg$   |                |               | $\dashv$ | $\top$       | 1        | 1           |  | 138        |        |                |          |          | 1        |               |          | $\Box$   |
|              | 39         |              |                 |                | 1              | $\Box$   |               |        |       |  | 89       |                     |          |                |               |          | $\Box$       | 1        | ]:: ::      |  | 139        |        |                |          |          |          | $\supset$     | $\Box$   | $\Box$   |
| <u> </u>     | 40         |              |                 |                |                |  |               |        | ]     |  | 90       |                     |          |                |               |          |              | I        | ]           |  | 140        |        |                |          |          |          | $\Box$        |          | _]       |
|              | 41         |              |                 | Ι.             |                |  |               |        | ] .   |  | 91       |                     |          |                |               |          |              |          | ]           |  | 141        |        |                |          |          |          |               | $\Box$   | _        |
|              | 42         |              |                 | $\Box$         |                | $\Box$   |               |        |       |  | 92       |                     | $\perp$  |                | П             |          | $\bot$       |          | ļ           |  | 142        |        | 1              |          |          | $\Box$   | $\perp$       | _[       |          |
|              | 43         | ļ            |                 |                | _              |  |               |        |       |  | 93       | Щ                   | _        | $\perp$        |               |          |              | 4_       | :           |  | 143        |        | L              |          |          |          | _             |          | _        |
| <u> </u>     | 44         |              |                 | ┺              | 上              | $\sqcup$   | _             | Д_     |       | Ĺ  | 94       | <b>.</b>            | 4        | 4              |               | _        | $\bot$       |          | <b>∤</b> ∷. | <u> </u>   | 144        |        |                | _        | _4       | ↓        | $\dashv$      | $\dashv$ |          |
| <u></u>      | 45         | <u> </u>     |                 | $\perp$        | ↓_             | Ш  |               | 4_     |       |  | 95       | $\sqcup$            |          | $\bot$         | $\sqcup$      | _        | $\perp$      | -        |             |  | 145        | 4      | 4              |          |          |          | $\dashv$      | _        | _        |
| <u> </u>     | 46         | <u> </u>     | _               | $\perp$        | ـــ            |  | _             |        | a   i | L—   | 96       | $\sqcup \downarrow$ |          | 4-,            |               | _        |              | 4-       |             | <u> </u>   | 146        | _ _    | $\vdash$       |          |          | _        | $\dashv$      | -+       | $\dashv$ |
| <b>}</b>     | 47         |              |                 | 4-             | -              | $\longmapsto$                                    |               |        |       |  | 97       |                     | _+       | 1              | $\vdash$      |          | +            | +-       | 1           | <u> </u>   | 147        |        | 1—             |          | -4       |          | $\dashv$      | $\dashv$ | $\dashv$ |
| ļ            | 48         | _            | -+-             | $\vdash$       | $\vdash$       | -  | -+            |        |       | <u> </u>   | 98<br>99 |                     |          | +              |               | +        |              | +-       | 1           | <u> </u>   | 148<br>149 | -      | $\vdash$       |          |          |          | -+            | $\dashv$ | $\dashv$ |
| <del> </del> | 49<br>50   | $\vdash$     | -               | +              | +-             | $\vdash$   | -+            |        | {     | <u> </u>   | 100      |                     | -        | +              | -             | ┥        | +            | +-       | ł           | <u> </u>   | 150        |        | +              | $\vdash$ | $\dashv$ |          | $\dashv$      | +        | $\dashv$ |
| L            | JU         | Ш            | سلا             | .L             | L              | ш  |               |        | 1 1   | L <u>-</u>                                       | 100      | L. I.               |          |                | Ц             |          |              |          | ٠ ٠٠٠ ١     | <u> </u>   | 1,00       |        | т.—            | اا       | 1        |          |               |          |          |